

TRAFF-X.eco

Event COordination – economic and eco-friendly



Improved Traffic Flow with Coordination

Purpose

Events like construction sites or public events are better coordinated in order to minimise road traffic congestion.

Challenge

Due to complex responsibilities and the large number of participants involved there is no common picture of the traffic regulations taken. This means that the impact on traffic and interactions are only partially known.

Our solution

TRAFF-X.eco enables coordinated event management and planning. The conflict-checking system for planned events as well as the traffic impact assessment of traffic regulations ensures that obstructions are kept to a minimum.

Infrastructure operators...



...benefit from an ideal use of infrastructure in the event of traffic obstructions caused by road works. Consistent communication flow between high-ranking and communal road networks is guaranteed.

→ Ensured traffic flow

Authorities...



...have an overview of all planned events. Potential conflict situations are quickly identified. Coordination of construction sites and public events becomes a transparent and regulated process for all participants.

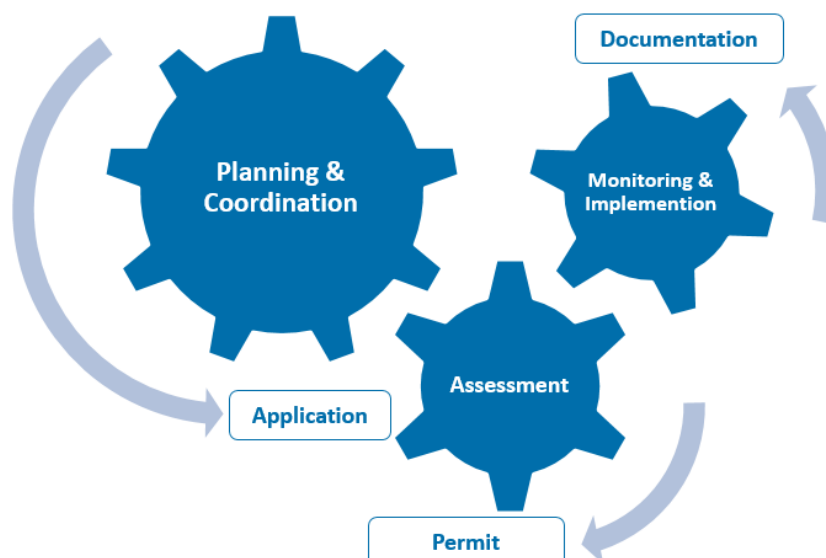
→ Definit process handling

Traffic participants...



...are pleased about predictable travel times and the best possible traffic quality despite obstructions.

→ Less traffic jams & stress



Mid-term Planning and Coordination

Road repairs, excavations and public events are part of the daily work of the infrastructure administration. The questions that commonly arise are "When should the construction work take place, how do I coordinate it" or "How do I plan to keep the impact on traffic as low as possible?"

Functions

- ✓ Coordinate construction sites and check for conflicts
- ✓ Check combinations of construction sites
- ✓ Check variants of possible solutions and compare them in scenarios (simulation)
- ✓ Visualize the results in a comprehensible way
- ✓ Compare the impact on traffic of different scenarios
- ✓ Evaluate scenarios and derive decisions

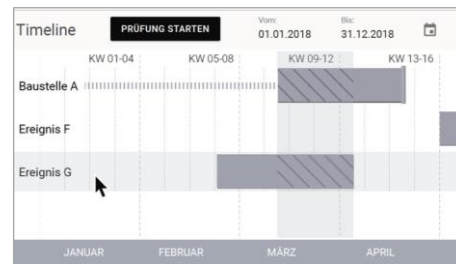
Technical Details

- Traffic impact assessment based on a micro- and macroscopic simulation model (Basis: PTV Optima of PTV Group)
- Conflict-checking system based on a detailed set of rules
- Direct interface to application and permitting systems
- Reports and statistics to document all decisions
- Integrated component of an eGovernment workflow

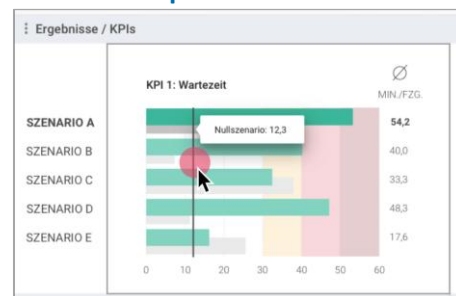
Advantages

- ▶ Information platform integrated throughout the entire process
- ▶ Coordination of internal and external events
- ▶ Traffic impact assessment
- ▶ Simplified planning decisions
- ▶ Long-term documentation of all decisions

Identifying conflicts and suggesting solutions



Compare solutions and reduce the impact on traffic



Evaluate and document scenarios

The screenshot shows a notification form titled 'Notiz' with the following content:

Folgendes Szenario als Hauptszenario festlegen:
Szenario A

Notiz schreiben ...

Ratings erstellen:

Scenario	Rating	Date
A	★★★★★	03/03/2018
B	★★★★★	03/03/2018
C	★★★★★	01/03/2018

Keine gravierenden verkehrlichen Auswirkungen auf der Strecke zum KH. Im Bezirk 1 jedoch mit vielen Einschränkungen zu rechnen.